

(Prior Art)

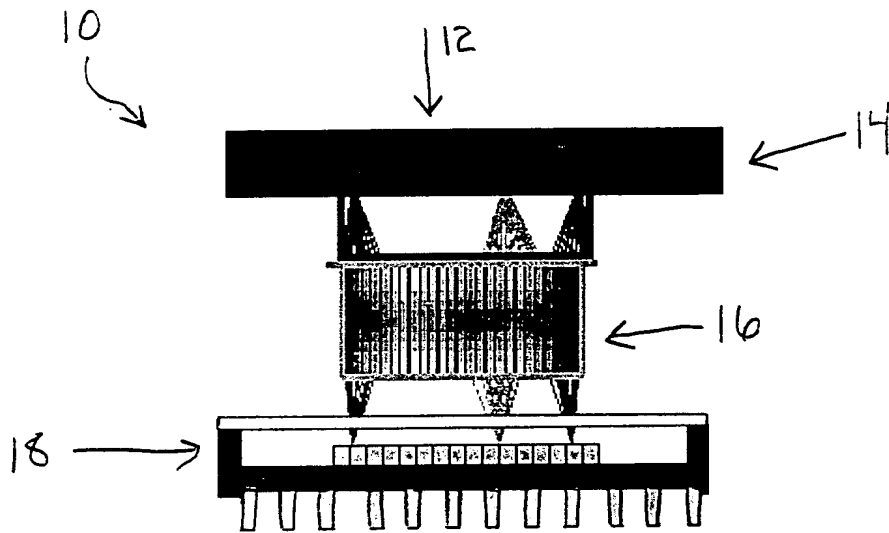


Fig. 1

FIG. 2

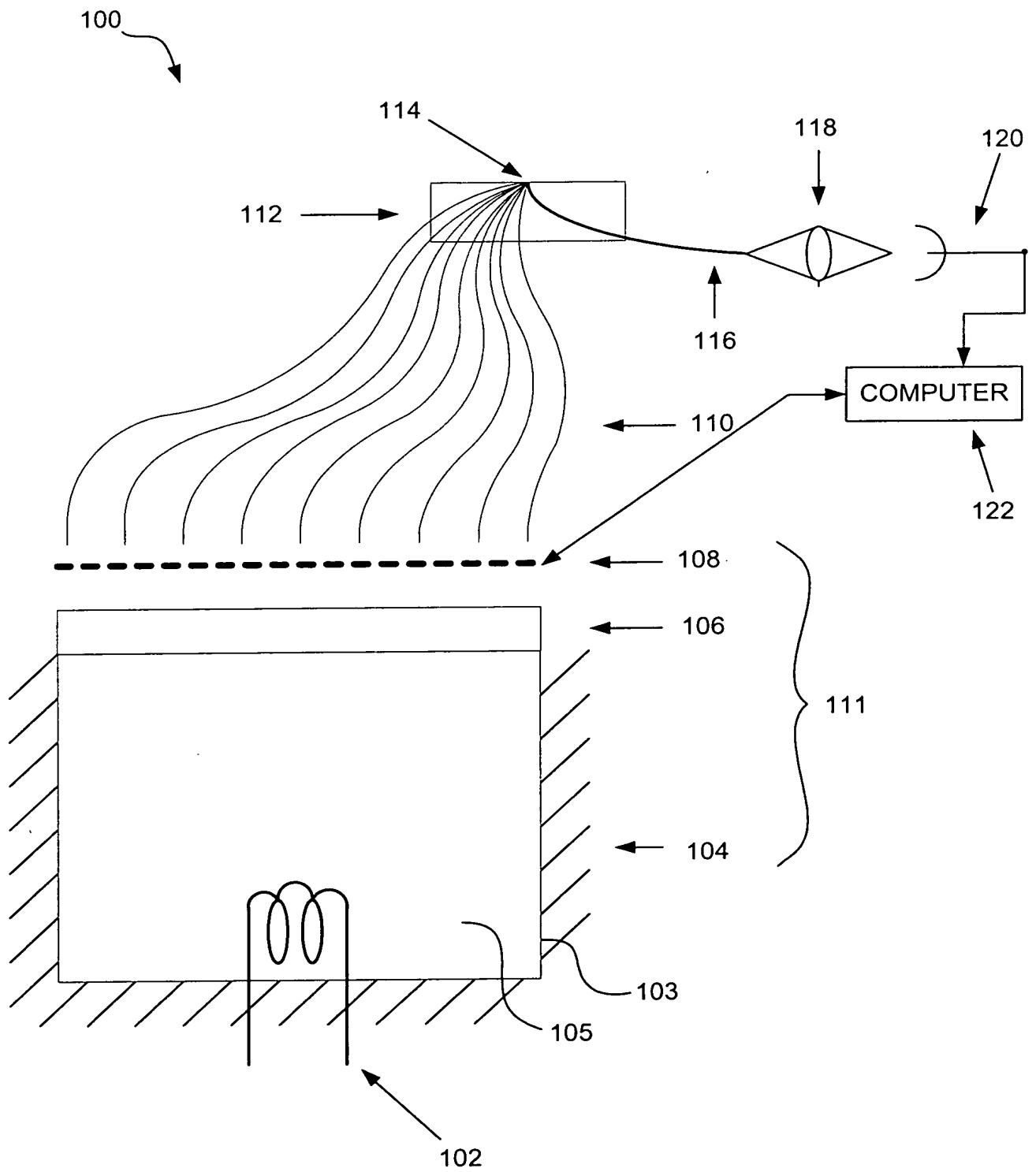


Figure 2

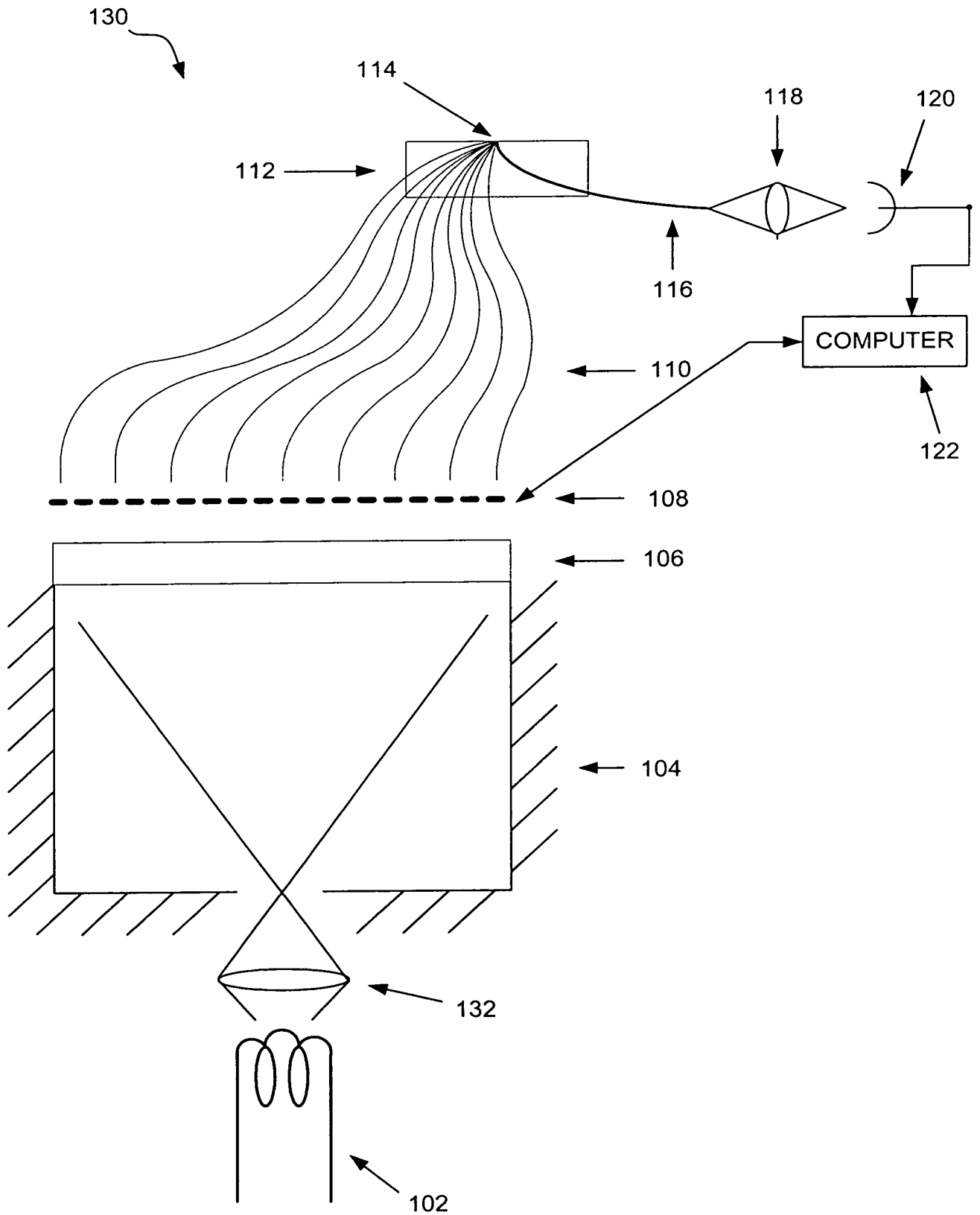


Figure 4

The diagram illustrates an optical measurement system. A container 102 is shown in cross-section, containing a liquid 104. A light source 106 is positioned above the container, emitting a beam 108 that passes through the liquid. The beam is focused by a lens 112 and a lens 114, creating a focal point 116. The light is then detected by a sensor 118, which is connected to a computer 120. The computer 120 is also connected to a control unit 122. The entire system is labeled 140.

Figure 5

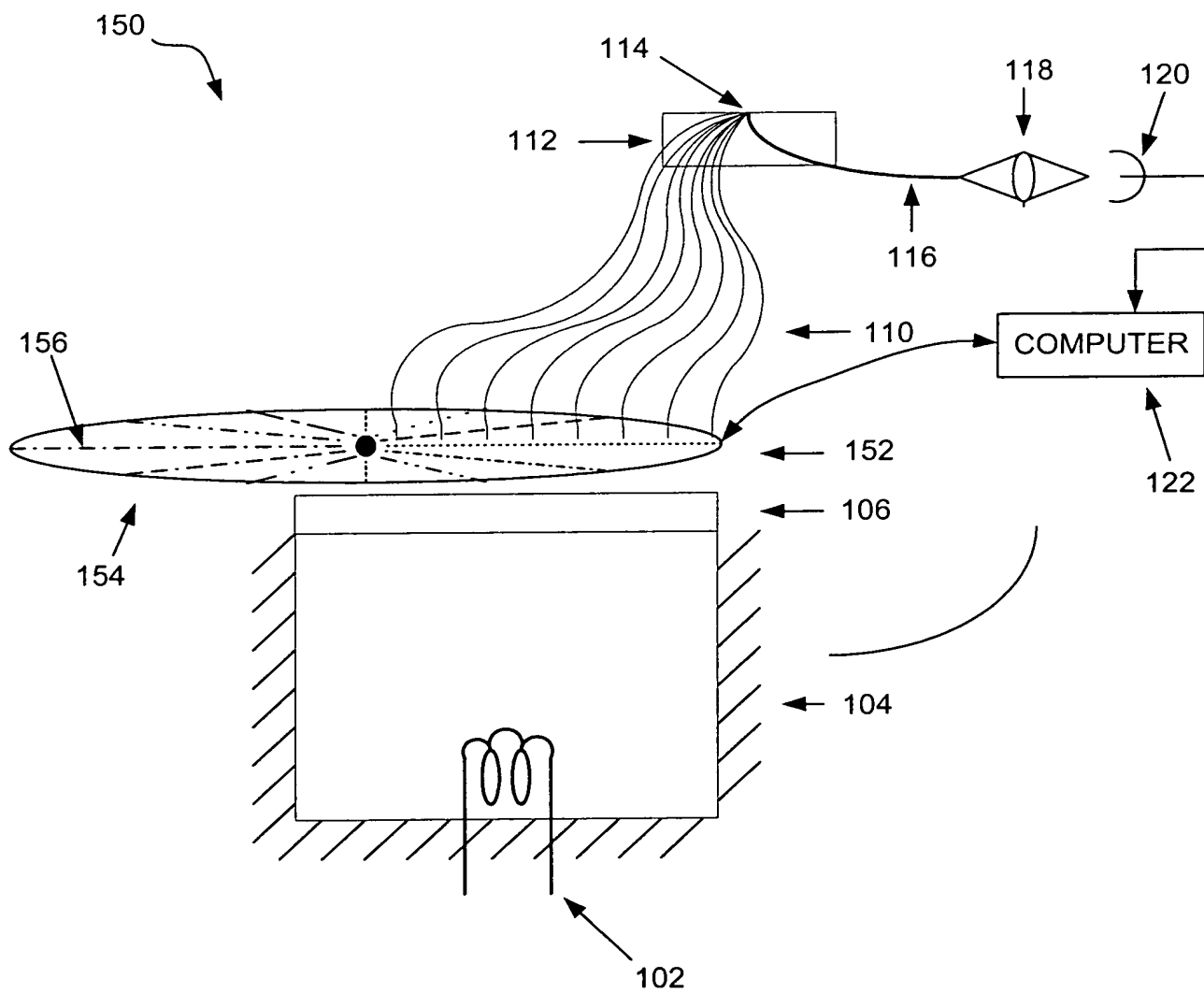


Figure 6

The diagram illustrates a system for measuring the position of a rotating object. A rotating cylinder (104) is shown with a coil (102) at its base. A series of points (162) on the top surface of the cylinder are connected by lines to a sensor array (112) on a horizontal plate (114). The sensor array is connected to a lens (118) and a detector (120). The detector is connected to a computer (122), which outputs data (110) to a display (116). The entire system is labeled 160.

Figure 7

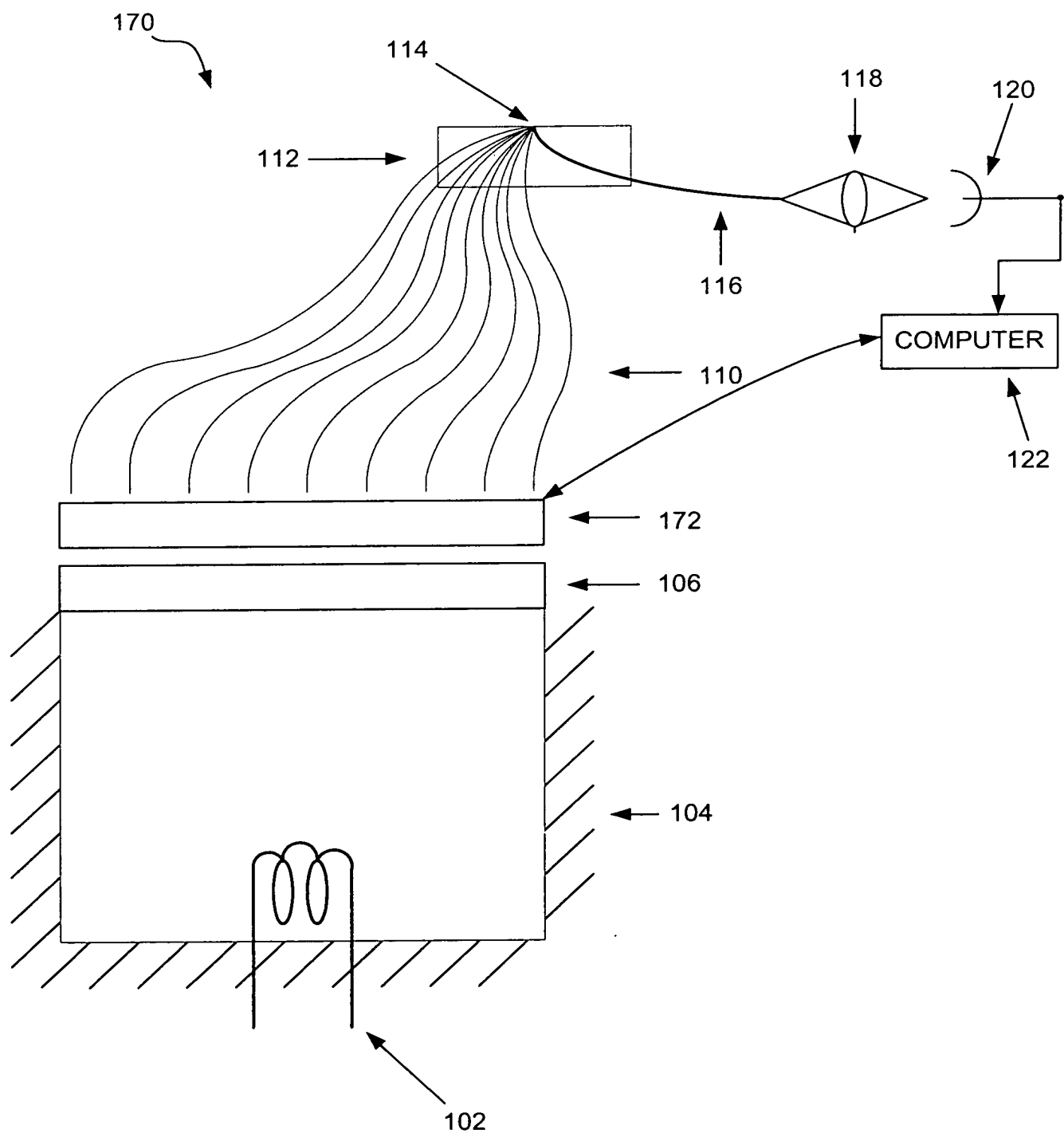


Figure 8

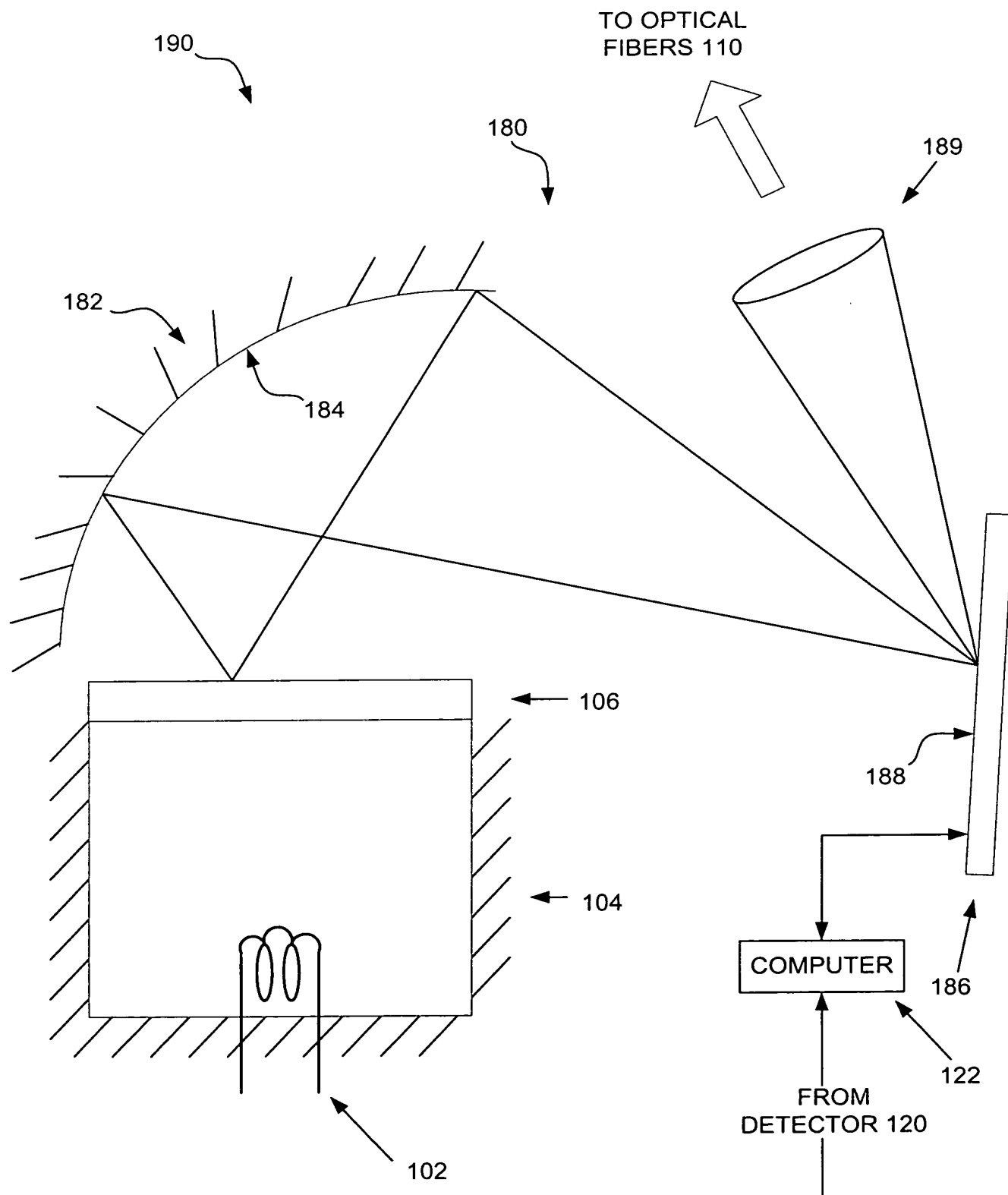


Figure 9

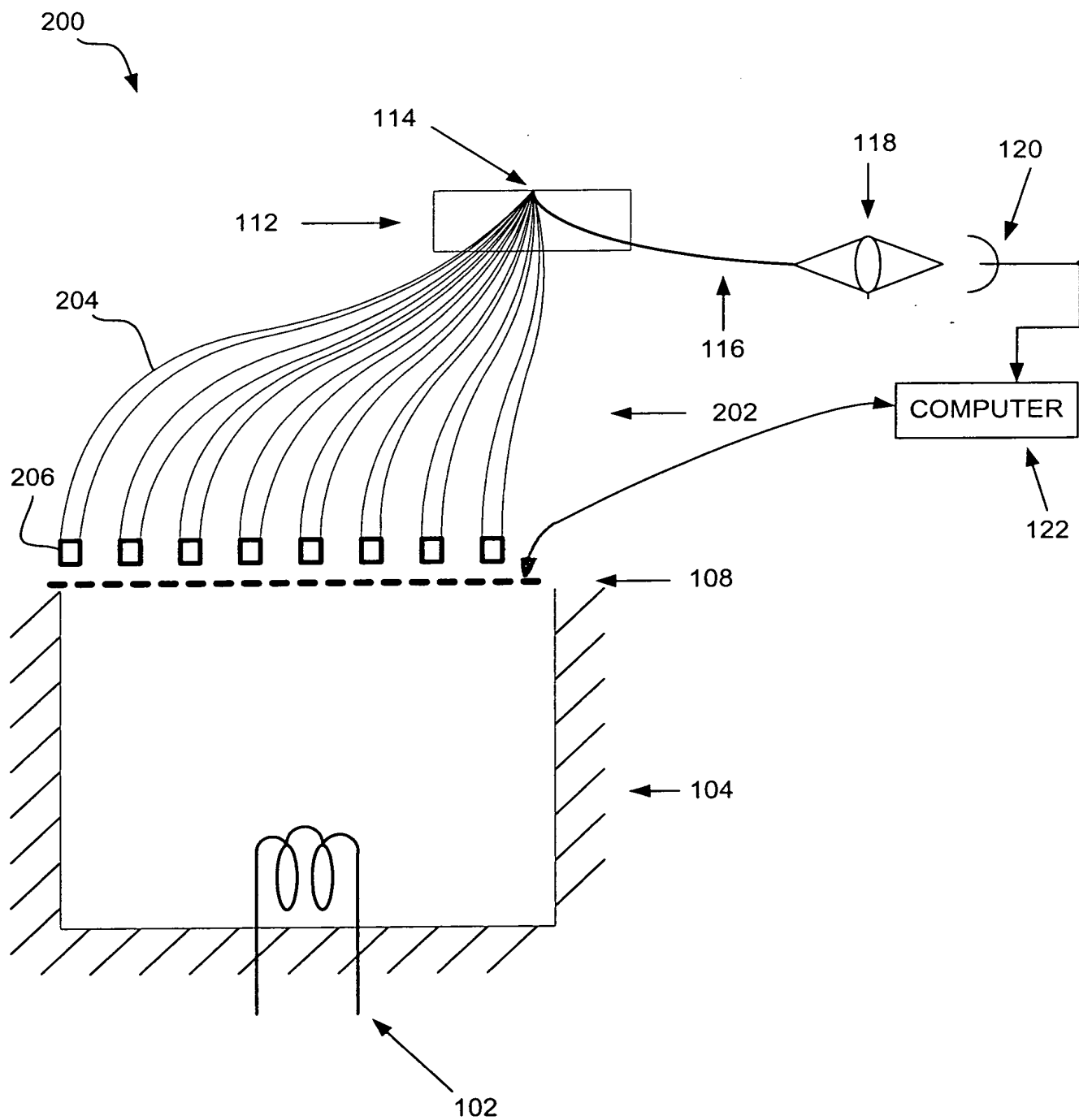


Figure 10

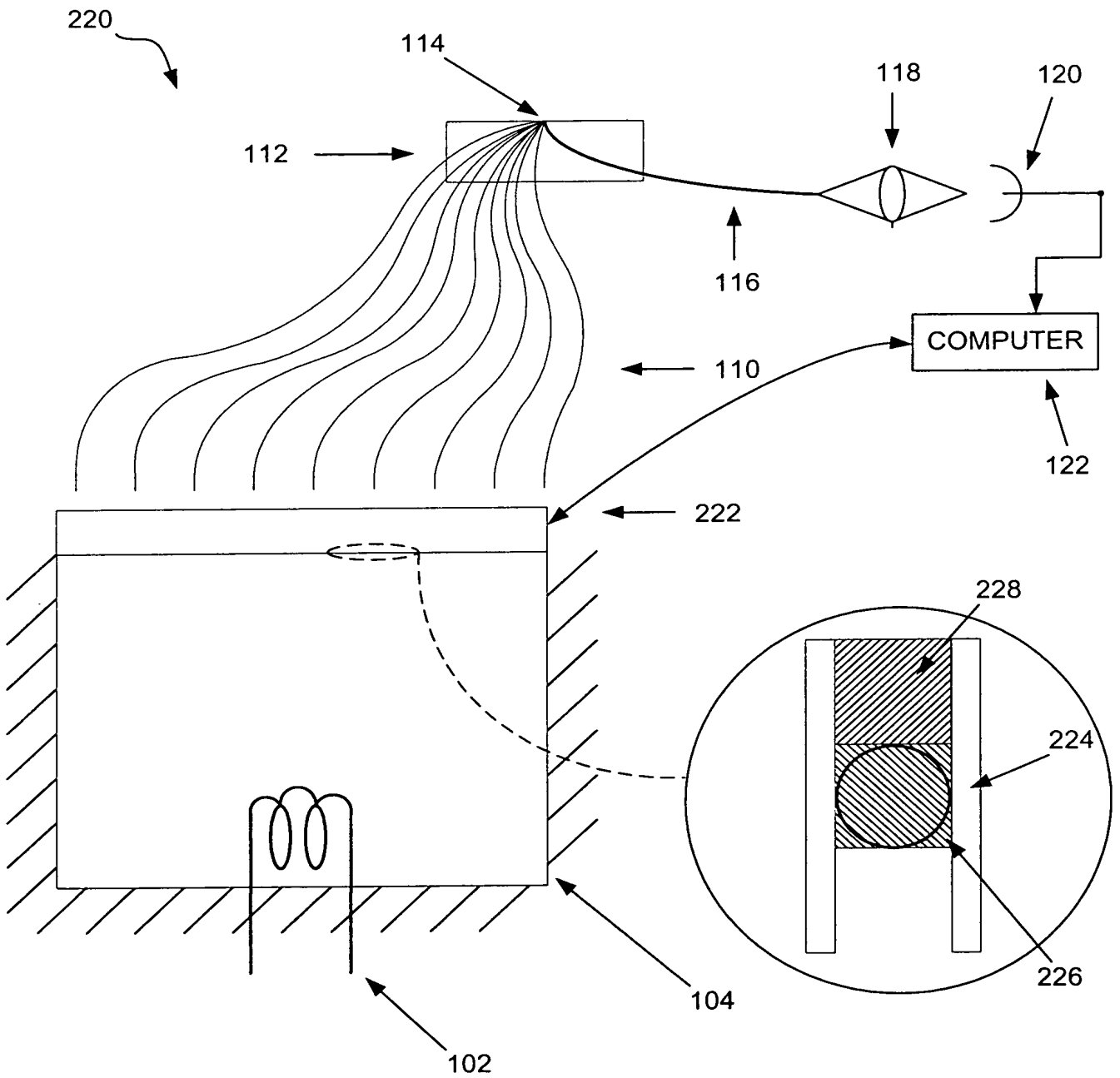


Figure 12

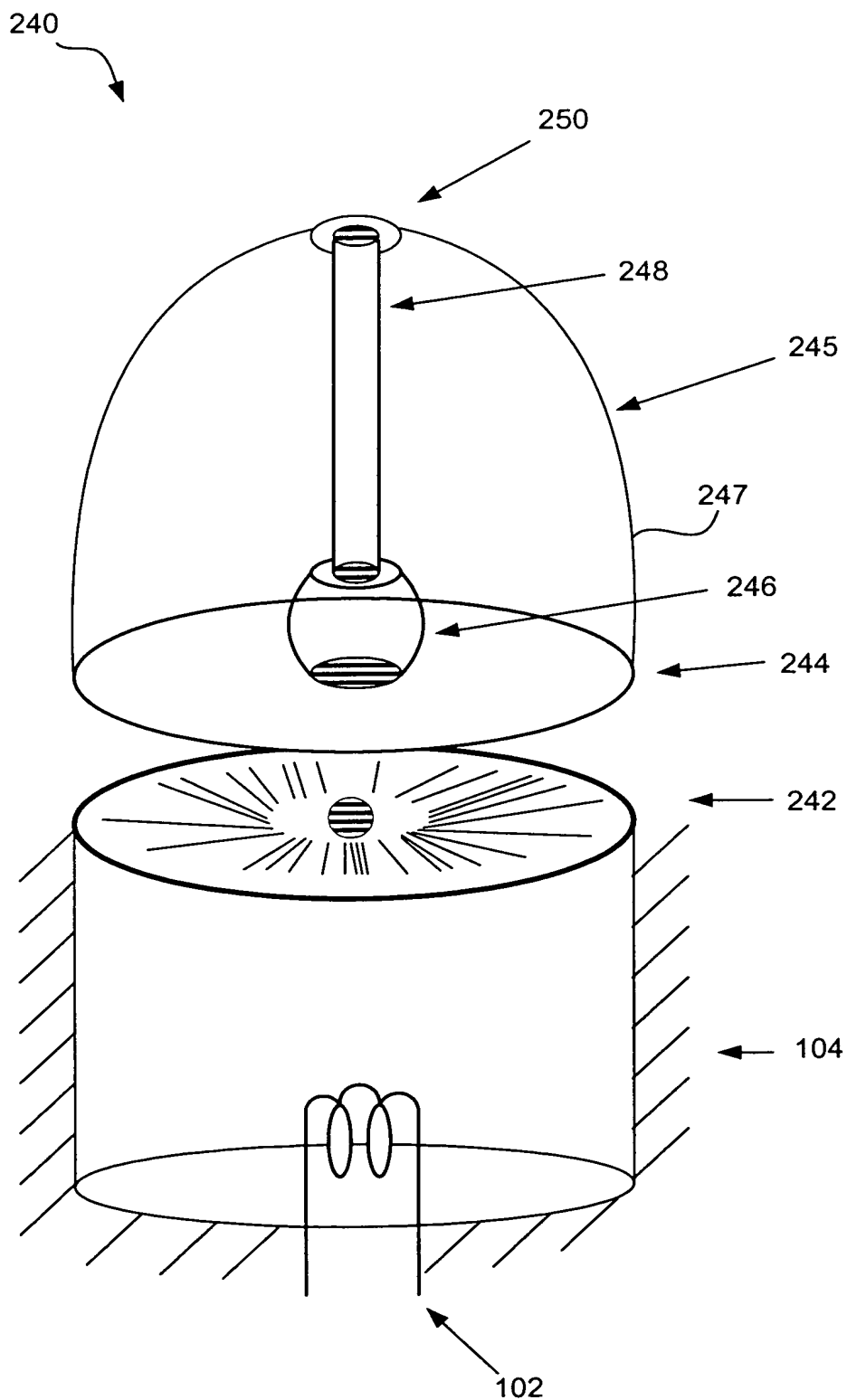


Figure 14

00032534 044101

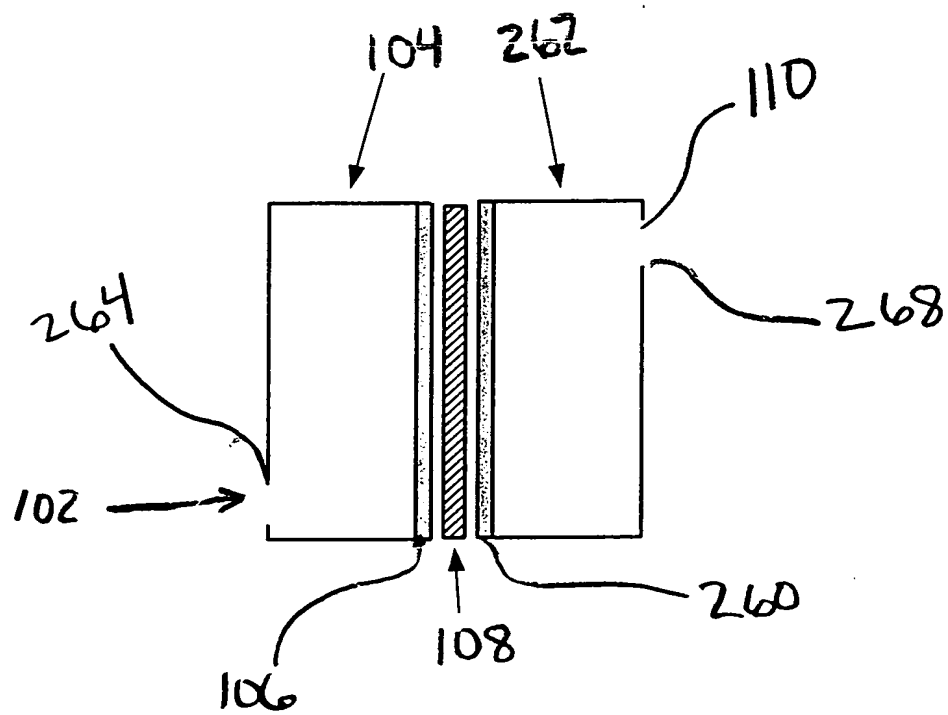


Fig. 15